



00839.000472

PATENT APPLICATION

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

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|---------------------------|---|----------------------------------|
| In re Application of: |) | |
| | : | Examiner: Not Yet Assigned |
| SOICHIRO KAWAKAMI ET AL. |) | |
| | : | Group Art Unit: Not Yet Assigned |
| Appln No.: 10/762,343 |) | |
| | : | |
| Filed: January 23, 2004 |) | |
| | : | |
| For: METHOD FOR PRODUCING |) | |
| NANO-CARBON MATERIALS | : | February 5, 2004 |

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

INFORMATION DISCLOSURE STATEMENT

Sir:

In compliance with the duty of disclosure under 37 C.F.R. § 1.56 and in accordance with the practice under 37 C.F.R. §§ 1.97 and 1.98, the Examiner's attention is directed to the document listed on the enclosed Form PTO-1449. Since the U.S. Patent and Trademark Office waived the requirement under 37 C.F.R. § 1.98 (a)(2)(i) for submitting a copy of each cited U.S. patent and each U.S. patent application publication for all U.S. national patent applications filed after June 30, 2003 and for all international applications that have entered the national stage under 35 U.S.C. § 371 after June 30, 2003, no copies of such documents are enclosed. Copies of the other listed documents are enclosed.

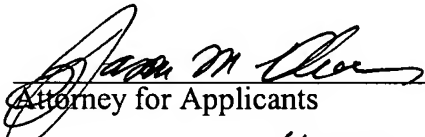
The concise explanation of relevance for the non-English documents may be found, inter alia, in the specification where they are cited and/or in the English language abstracts attached thereto. In addition, the concise explanation of relevance for JP 2000-95509 may be found in U.S. Patent No. 6,455,021 B1, which is in the same patent family.

CONCLUSION

It is respectfully requested that the above information be considered by the Examiner and that a copy of the enclosed Form PTO-1449 be returned indicating that such information has been considered.

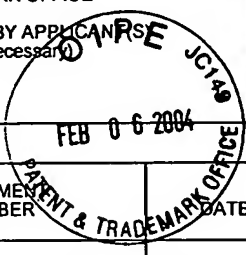
Applicants' undersigned attorney may be reached in our New York office by telephone at (212) 218-2100. All correspondence should continue to be directed to our address given below.

Respectfully submitted,



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|---|----|---|----------|--|-------|--------------------------------------|---------------------------------------|
| FORM PTO 1449 (modified) U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE LIST OF REFERENCES CITED BY APPLICANTS (Use several sheets if necessary) | | | | ATTY DOCKET NO. 00839.000472 | | APPLICATION NO. 10/762,343 | |
|  | | | | APPLICANT Soichiro Kawakami et al. | | | |
| | | | | FILING DATE January 23, 2004 | | GROUP N.Y.A. | |
| U.S. PATENT DOCUMENTS | | | | | | | |
| *EXAMINER INITIAL | | DOCUMENT NUMBER | DATE | NAME | CLASS | SUBCLASS | FILING DATE IF APPROPRIATE |
| | | 6,455,021 B1 | 09/24/02 | Saito | 423 | 447.3 | |
| | | 2003/0086859 A1 | 05/08/03 | Kawakami et al. | 423 | 447.1 | |
| | | 2003/0072706 A1 | 04/17/03 | Kawakami et al. | 423 | 445 R | |
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| FOREIGN PATENT DOCUMENTS | | | | | | | |
| | | DOCUMENT NUMBER | DATE | COUNTRY | CLASS | SUBCLASS | TRANSLATION YES/NO/ OR ABSTRACT |
| | JP | 2000-95009 | 04/04/00 | Japan | | | Abstract |
| | JP | 6-157016 | 06/03/94 | Japan | | | Abstract |
| | JP | 9-188509 | 07/22/97 | Japan | | | Abstract |
| | JP | 10-273308 | 10/13/98 | Japan | | | Abstract |
| | JP | 2000-86217 | 03/28/00 | Japan | | | Abstract |
| OTHER DOCUMENT(S) (Including Author, Title, Date, Pertinent Pages, Etc.) | | | | | | | |
| | | Yury G. Gogotsi et al., "Formation of Filamentous Carbon from Paraformaldehyde Under High Temperatures and Pressures," 36(7-8) <u>Carbon</u> 937-42 (1998). | | | | | |
| | | Yury G. Gogotsi et al., "Hydrothermal Synthesis of Multiwall Carbon Nanotubes," 15(12) <u>J. Mater. Res.</u> 2591-2594 (December 2000). | | | | | |
| | | Jose Maria Calderon Moreno et al., "Hydrothermal Processing of High-Quality Multiwall Nanotubes from Amorphous Carbon," 123 <u>J. Am. Chem. Soc.</u> 741-42 (2001). | | | | | |
| | | Mingwang Shao et al., "Benzene-Thermal Route to Carbon Nanotubes at a Moderate Temperature," 40 <u>Carbon</u> 2961-73 (2000). | | | | | |
| EXAMINER | | | | DATE CONSIDERED | | | |

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.